PTO/SB/06A (10-96) Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

2 Sheet of 1

Complete if Known						
Application Number	09/676,885					
Filing Date	September 29, 2000					
First Named Inventor	Mitchell D. Trott					
Group Art Unit	2821					
Examiner Name	Unassigned					
Attorney Docket Number	15685P026					

U.S. PATENT DOCUMENTS

Exam. Initials	No.	Number Number	Date	Name	Class	Sub- class	(if appropriate)
1	1	5,553,074	09/03/96	Acampora			
1,	2	5,697,066	12/09/97	Acampora			1
\neg	3	5,732,076	03/24/98	Ketseoglou et al.			
- - 	4	5,748,676	05/05/98	Mahany			
+	5	5,774,461	06/30/98	Hyden et al.			
	6	5,933,421	08/03/99	Alamouti et al.			
1	7	6,018,555	01/25/00	Mahany	,		
							12 F 7
		·					HAR 2800
							1
	İ	,				_	\triangleright
							F 70
			-				RC
	<u> </u>						ROOM
			1				

FOREIGN PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Date	Country	Class	Sub- class	Trans Yes	ation No
1	8	WO 98/28864	02/Jul/98					
7	9	WO 98/33346	30/Jul/98					
-							 	
		1				 	 	_
			 					
				·				
xamine ignatur				Date Considered	1/00	1		

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication



lease type a plus sign (+) inside this box



PTO/S8/06A (10-96) Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons and required to respond to a collection of information unless it displays a valid OMB control number.

Substitute	for form 1449A/PTO	ı		Complete if Known		
INFO	MATION	DISCLO	SURF	Application Number	09/676,885	
INFORMATION DISCLOSURE				Filing Date	September 29, 2000	
STAT	EMENT BY	/ APPLI	CANT	First Named Inventor	Mitchell D. Trott	
				Group Art Unit	2821	
·				Examiner Name	Unassigned	
Sheet	2	2 of 2 Attorne		Attorney Docket Number	15685P026	

OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

		Other Art (including fille, Author, Date, Pertinent Pages, etc.)
Exam. Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
1	10	Zhang et al., "Performance of a Modified Polling Strategy for Broadband Wireless LANs in a Harsh Fading Environment," GLOBECOM '91, January 1991, pp. 1141-1146.
	11	Acampora et al., "A New Adaptive MAC Layer Protocol for wireless ATM Networks in Harsh Fading and Interference Environments," 1997 IEEE, August 1997, pp. 410-415.
	12	Krishnamurthy et al., "Polling Based Media Access Protocols for Use With Smart Adaptive Array Antennas," 1998 IEEE, January 1998, pp. 337-344.
	13	Xu et al., "Throughput Multiplication of Wireless LANs for Multimedia Services: SDMA Protocol Design," 1994 IEEE, 1994, pp.1326-1332.
		·
		TC .
		RE #AI 2800
		EIVED -1 2001 MAIL ROOM
		МС
	-	

Examiner	11.	Date	
Signature	, N	Considered	aliala

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

PTO/S8/08A (08-00)
A d for use through 10/31/2002. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Co	Complete if Known			
INFORMATION DISCLOSURE		Application Number	09/676,885					
		Filing Date	September 29, 2000					
STATEMENT BY APPLICANT			CANT	First Named Inventor	Mitchell D. Trott			
-	(use as many shee			Group Art Unit	2821	COPY OF PAP		
				Examiner Name	Not Yet Assigned	ORIGINALLYF		
Sheet	1	of	2	Attorney Docket Number	15685P026			

U.S. PATENT DOCUMENTS

U.S. Patent Document
Page, Cotumns, Lines, Where Relevant of Cited Document
Number (ill known)

Name of Patentee or Applicant of Cited Document
NAMOD-YYYY

Pages, Cotumns, Lines, Where Relevant Passages or Relevant Figures Appear

Pages or Relevant Pages or Relevant Figures Appear

Pages, Cotumns, Lines, Where Relevant Passages or Relevant Passages or Relevant Figures Appear

Page 18 Pages, Cotumns, Lines, Where Relevant Passages or Relevant Pa

xaminer	Cite	For	eign Patent Docum	ent	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	
initials*	No.	Office'	Number	Kind Code' (il known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	۲
1	T	W	O 97/08849		WIPO			$oldsymbol{ op}$
<u> </u>					,			╁
								ļ
								+
								\dagger
			-					1
	 	++-						+

Examiner	Date	.	
Signature	Considered	10 rators	

*Examiner: Initial if reference considered, whicher or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Unique citation designation number. 'See attached Kinds of U.S. Patent Documents. 'Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.



COPY OF PAPERS ORIGINALLY FILED

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0551-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitut	e for for	m 1449A/PTO			Co	mplete if Known	
INICO	DAA	ATION DI	ISCI O	CHDE	Application Number	09/676,885	
					Filing Date	September 29, 2	
STA	TEM	ENT BY	APPLIC	CANT	First Named Inventor	Mitchell D. Tro	tt
					Group Art Unit	2821	
	ī			·	Examiner Name	Not Yet Assign	ed
heet		2	of	2	Attorney Docket Number	15685P026	
W		·	OTHER	ART - NON F	PATENT LITERATURE DOC	UMENTS	······································
Entimer Admais	Cite No.'	Include nan magazine, jo	ne of the auti ournal, serial,	hor (in CAPITAL L , symposium, cata	ETTERS), title of the article (when ap log, etc.), date, page(s), volume-issue country where published.	propriate), title of the item a number(s), publisher, city	(book, and/or
JL.	I				Wireless Communications," Signal and Array Proc., Jun		
				O	PRECEIVED MAR DE 2002 TRECHINOLOGY CONTROL 260		1
					BECEL	ı.	[
					UZVIZO		5 -
							E RAR
		 					2 7
							£ 79
		<u> </u>		*			MAR 12 2002
							罗平
•			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			2800
						• •	8
			_		<u> </u>	· · · · · ·	
				·			
			<u> </u>			·	
ĺ							ļ
		<u> </u>					<u> </u>
				· - · · · · · · · · · · · · · · · · · ·			
i							
Examiner	1		1		Date Considered	alida	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

'Unique citation designation number. 'Applicant is to place a check mark here il English language Translation is attached.

OIPE CO

stitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete If Known						
Application Number	09/676,885					
Filing Date	September 29, 2000					
First Named Inventor	Mitchell D. Trott					
Art Unit	2685					
Examiner Name	Pablo N. Tran					
Attorney Docket Number	15685P026					

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number Number - Kind Code ² (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7	-1	US-6,236,839	05-22-2001	Gu, et al.	
T	2	US-6,185,440	02-06-2001	Barratt, et al.	
1	3	US-6,266,528	07-24-2001	Farzaneh '	
	4	US-6,154,661	11-28-2000	Goldburg	
	5	US-5,887,038	03-23-1999	Golden	
	6	US-5,596,329	01-21-1997	Searle, et al.	· ·
	7	US-6,487,245	11-26-2002	Remy	
	8	US-6,532,225	03-11-2003	Chang, et al.	
	9	US-6,061,553	05-09-2000	Matsuoka, et al.	
	10	US-6,594,509	07-15-2003	Takakusaki, et al.	
	11	US-6,078,823	06-20-2000	Chavez, et al.	
	12	US-6,070,071	05-30-2000	Chavez, et al.	
	13	US-5,882,429	03-16-1999	Majid, et al.	
	14	US-6,233,466	05-15-2001	Wong, et al.	
	15	US-6,177,906,	01-23-2001	Petrus	
٤	16	US-6,347,234	02-12-2002	Scherzer	
		US-			

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,		
Initials*	No.1	Country Code ¹ - Number - Kind Code ⁸ (if known)	Publication Date MM-DD-YYYY	Name of Patentae or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
				·			

Examiner		Date	
Signature	4	Considered	4/20/00

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 08/11/2003.

MAY 1 (2004 =

ubstitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known					
Application Number 09/676,885					
Filing Date	September 29, 2000	_			
First Named Inventor	Mitchell D. Trott				
Art Unit	2682				
Examiner Name	Tuan A. Tran				
Attorney Docket Number	15685P026				

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite	Document Number	Publication Date or Issue Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
IIIIII	No.* Number - Kind Code* (if known) Or Issue Date MM-DD-YYYY			Figures Appear	
27	-1	US-6,470,195 B1	10-22-2002	Meyer	
-	2	US-6,615,024 B1	11-02-2003	Boros et al.	
		US-			
		US-			
		US-			RECEIVED
		US-			
		US-			MAY 1 8 2004
		US-			
		US-			Technology Center 260
		US-			0 ,
		US-			

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,	7.			
Initials*	No.'	Country Code* - Number* - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	ין			
	ļ					<u> </u>			
	<u> </u>					<u> </u>			
	-					├			
					 	\vdash			
						Г			
						L			
	l								

Examiner		Date		
Signature	14	Considered	ulalo 0	

*Examiner: Initial II reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). "See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. "Enter Office that issued the document, by the two-letter code (MIPO Standard ST.3). "For Japanese patent documents, the indication of the year of reign of the Emperor must precede the sorial number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zalman (wtr) 08/11/2003.

PE C.

Strictitute for form 1449A/PTO

NFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known					
Application Number	09/676,885				
Filing Date	September 29, 2000				
First Named Inventor	Mitchell D. Trott				
Art Unit	2821				
Examiner Name	Not Yet Assigned				
Attorney Docket Number	15685P026				

			U.S. PATE	NT DOCUMENTS	
Examines Initials*	Cite No.'	Document Number Number - Kind Code* (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1/2	-1	US-5574977	11-12-1996	Joseph et al.	
P,	2	US-5619503	04-08-1997	Dent	
1	3	US-5625880	04-29-1997	Goldburg et al.	
	4	US-5642353	06-24-1997	Roy III et al.	
\top	5	US-5684794	11-04-1997	Lopez et al.	
	6	US-5708971	01-13-1998	Dent	
	7	US-5870393	02-09-1999	Yano et al.	
	8	US-5884178	03-16-1999	Ericsson et al.	
	9	US-6037898	03-14-2000	Parish et al.	
	10	US-6122260	09-19-2000	Liu et al.	31
	11	US-6141567	10-31-2000	Youssefmir et al.	28
	12	US-6219561	04-17-2001	Raliegh	0 5
	13	US-6292664	09-18-2001	Ostrup et al.	1
L	14	US-6337985	01-08-2002	Roux et al.	#A + 2
		US-			2003 1L R
		US-		_	RO RO
		US-) 3
		US-			
		US-			
		US-			,

		FOF	REIGN PATENT	DOCUMENTS	
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,
Initials*	No.1	Country Code*- Number* - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
7	15	EP 0 841 827 A2	05-13-1998		
7	16	EP 0 665 665 A1	01-13-1995		
<u> </u>	ļ			· · · · · · · · · · · · · · · · · · ·	
		· · · · · · · · · · · · · · · · · · ·			
	-				

Examiner	0	Date		
Signature	y L	Considered	1200	-

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanase patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (05-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 05/02/2003.

Patent and Trademark Office As, DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known ostitute for form 1449A/PTO Application Number 09/6/6,885 INFORMATION DISCLOSURE September 29, 2000 Filing Date Mitchell D. Trott First Named Inventor STATEMENT BY APPLICANT Art Unit 2821 (use as many sheets as necessary) Not Yet Assigned **Examiner Name** 2 Attorney Docket Number of Sheet 1 15685P026

			U.S. PA	TENT DOC	UMENTS		
Examiner Initials*	Cite No.'	Document Number Number - Kind Code ² (if known)	Publication Date or Issue Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Whe Relevant Passages or Releva Figures Appear	
	I	US-5615409	03-25-199	7 Forsser	n et al.		
1		US-					
		US-					
		US-					
	<u> </u>	US-					
		US-				-	
		US-				ECI	
		US-				TECHNOLOGY	_}
		US-				LO EB	
		US-				G. (2	2 1
		US-					
		US-	<u> </u>			宝 3	2003
		US-				E	نت
		US-				228	
		US-			•	300	
		US-					
		US-					
		US-					
		US-					-8-
		US-					
			FOREIGN	PATENT	DOCUMENTS		一
<u></u>	Cite	Foreign Patent Document				Pages, Columns, Unes,	\Box
Examiner Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁴ (ation Date	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	٢

Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Maria of Balantas as	Pages, Columns, Lines,
	No.1	Country Code ³ - Number ⁴ - Kind Code ³ (if known)		Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
-					
	<u> </u>				

Examiner	 Date	
Signature	Considered	ulaline

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

PTO/S8/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 09/6/6,885 INFORMATION DISCLOSURE September 29, 2000 Filing Date Mitchell D. Trott STATEMENT BY APPLICANT First Named Inventor Art Unit 2821 Examiner Name Not Yet Assigned 2 of 2 Attorney Docket Number Sheet 15685P026

		OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
	2	European Examination Report dated 10/18/02		
0				
70				
`			<u> </u>	
		TECHNOLOGY CENTER 2800		
				K
		MOLOGY	•	F
		2 (<u>5</u> _	
		第	2	NED
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	۱ ۱
		28		
		00	 	ĺ
		·		
			_	
			_	
<u> </u>				
1				
·				

Examiner		Date	
Signature	12	Considered	1/10/00

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique ditation designation number. 'Applicant is to place a check mark here if English language Translation is attached.

nd to a collection of information

PTO/SB/08A (08-00) through 10/31/2002. OMB 0651-0031 U.S. DEPARTMENT OF COMMERCE displays a valid OMB control number.

Under the Paperwork Reduction Act

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 1 Sheet 1

Application Number 09/6/6,885					
First Named Inventor	Mitchell D. Trott				
Group Art Unit	2821				
Examiner Name	Not Yet Assigned				
Attorney Docket Number	15685P026				

				U.S. PATENT DOCUMENTS	5	
Examiner Initials*	Cite		t Document Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
indais*	No.'	Number	(if known)	MM-DD-YYYY	Passages or Relevant Figures Appear	
70	4	5,812,090)	Chevalier et al.	09-22-1998	
"		ļ				
		····-		· · · · · · · · · · · · · · · · · · ·		
		 				
						RECEIVED
						" The state of the
						MAY 2 1 2002
		ļ				Technology Center 26
				· · · · · · · · · · · · · · · · · · ·		Toolinology contor ac
		ļ				
		 				

Examiner Initials*	Cite	1	Foreign Patent Doc	ment	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	Τ.
	No.'	Office	* Number	Kind Codes (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	יד
12	2	EP	O 665 665	A1	Chevalier et al.	08-02-1995		Ι
l		┼—				-		1
		+-				_		\downarrow
		1-						+
		1				-		\dagger
								1
		1						I
		-						1
	<u> </u>	1						1

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Unique citation designation number. 3See attached Kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/06A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. 0EPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substi	tute for fo	m 1449A/PTO			Complete if Known			
INE	OPA	ATION DISC	OSLIDE	Application Number	09/676	,885		
レス				Filing Date	Septen	nber 29.	2000	
, '\$T	ATEN	ENT BY APP	PLICANT	First Named Inventor	Mitche	nber 29, 2 ell D. Tro	ott	
2 53				Group Art Unit	2821			
				Examiner Name	Unassi	gned		
Shee	et	1	of 1	Attorney Docket Number	15685	P026		
			U.S.	PATENT DOCUMENTS				
Exam.	Cite	Document	Date	Name	Class	Sub-	Filing Da	
Initials	No.	Number				class	(if appropria	
7	1	5,276,907	01/04/94	Meidan	<u> </u>			
<u> </u>	ļ				ļ	ļ		
						ļ	RECE	
					-	ļ	I KKI N	
	ļ				<u> </u>	ļ	JAN 2	
	ļ.——	· · · · · · · · · · · · · · · · · · ·				T.	ctinology (
	ļ				 		F.:	
-			_	<u></u>	 	 		
	ļ ———		 		 	 		
	 		<u> </u>		 	 		
				•	 	 	12.	
						 	, (OOK)	
		.			<u> </u>	 	1	
			 			 		
	· · · · · · · · · · · · · · · · · · ·							
	<u> </u>							
						1		
			Fo	REIGN PATENT DOCUMENTS				
Exam.	Cite	Document	Date	Country	Class	Sub-	Translatio	
Initials	No.	Number				class	Yes N	
1	1	EPO786914A2	30/Jul/97	Europe			1 .	
<u> </u>					 	ļ	 . .	
					 	ļ	 	
					-		 	
		 			-	-	 	
		<u> </u>		 	 		 - -	
	 	 		 	-		 	
			+		 	 	+	
	ı	1	1	_1_		ļ	1 . 1	
						† 		

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

Approved to Patent and Trademark O PTC/SB/08A (08-00) hrough 10/31/2002, OMB 0651-0031 U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Expositivate for form 1449A/PTO
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets as necessary)

Application Number 09/676,885
Filing Date September 29, 2000
First Named Inventor Mitchell D. Trott
Group Art Unit 2821
Examiner Name Not Yet Assigned
Attorney Docket Number 15695 P036

of 2 15685P026 **U.S. PATENT DOCUMENTS** U.S. Patent Document Pages, Columns, Lines. Date of Publication of Examine Where Relevant Cite Name of Patentee or Applicant Cited Document MM-DD-YYYY Kind Code³ Initials' Number of Cited Document Passages or Relevant No. (if known) Figures Appear Technology Center 2600

	FOREIGN PATENT DOCUMENTS										
Examiner	Cite	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	\top			
Initials*	No.'	Office ³	Number	Kind Code ^s (if known)		Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear				
11	1	W	/O 97/02262		WIPO	07-25-1996					
1		-		_				_			
	ļ										
								+			
	<u> </u>	1			·			+			
								\dagger			
								T			
								$oxed{oxed}$			

Examiner Signature	. h	Date Considered	Walno	

*Examiner. Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). *For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

plus sign (+) Inside this box

PTO/SB/08B (09-00) Approved for use through 10/31/2002. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

stitute for form 1449A/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of

Complete if Known Application Number 09/676.885 September 29, 2000 Filing Date First Named Inventor Mitchell D. Trott Group Art Unit 2821 **Examiner Name** Not Yet Assigned Attorney Docket Number 15685P026

2 2 **OTHER ART - NON PATENT LITERATURE DOCUMENTS** Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, Examiner Cite magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or Initials' No. country where published. Farsakh et al., "A REAL TIME DOWNLINK CHANNEL ALLOCATION SCHEME FOR AN SDMA MOBILE RADIO SYSTEM," IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, Vol. 3, 10/18/96, pgs. 1215-1220. 2 Farsakh et al., "CHANNEL ALLOCATION AND DOWNLINK BEAMFORMING IN AN SDMA MOBILE RADIO SYSTEM," PIMRC '95, Wireless: Merging onto the Information Superhighway, 6th IEEE International Symposium on Toronto, Ont., Canada, 9/27-29/95, pgs. 687-691. Gerlach et al., "BASE STATION TRANSMITTER ANTENNA ARRAYS WITH MOBILE TO BASE FEEDBACK," IEEE Asilomar Conference on Signals, Systems & Computers, 1993, pgs. 1432-1436. TECHNOLOGY CENTER RECEIVED Technology Center 2600

Examiner	N .	Date	
Signature		Considered	N/ relow

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

'Unique citation designation number. 'Applicant is to place a check mark here if English language Translation is attached.